

MIL-DTL-32139 NANOMINIATURE Single and Dual Row Rectangular Connectors



M32139/07 and /08 Plug and Receptacle, Single Row, Right-Angle Thru-Hole PCB Connectors

M32139 SINGLE AND DUAL ROW RECTANGULAR CONNECTORS



M32139/07 and /08 Single Row Right-Angle Mount Connectors feature gold alloy TwistPin contacts. Contacts are precision-cripped to 30 AWG copper wire PC tails with gold over nickel plating. These nanominiature connectors offer premium performance and reliability for demanding applications and are in accordance with MIL-DTL-32139. Contact spacing is .025 inches. 1 amp current rating, DWV rating 250 volts AC.

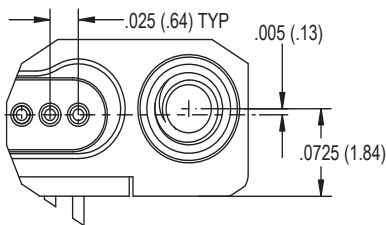
TwistPin Contact System assures premium performance in demanding environments. The gold alloy contacts will stand up to years of exposure without corrosion.

Typical Applications include UAVs, satellites, missile systems and geophysical instruments.

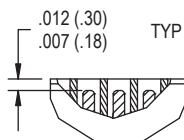
HOW TO ORDER						
Sample Part Number			M32139/07	-A	01	S N S
Series	M32139/07 = Plug, Pin Contacts, Single Row, Nanominiature M32139/08 = Receptacle, Socket Contacts, Single Row, Nanominiature					
Insert Arrangements	A = 9 Contacts E = 31 Contacts	B = 15 Contacts F = 37 Contacts	C = 21 Contacts G = 51 Contacts	D = 25 Contacts		
PC Tail Finish	01 = Tin/Lead (Sn63Pb37 or Sn60Pb40)		02 = Gold			
Hardware	S = Jackscrew		T = Threaded Hole			
Shell Material and Finish	C - Aluminum, Cadmium Finish (Not for Space) F - Aluminum, Nickel PTFE Finish S - Stainless Steel, Passivated Finish		N - Aluminum, Electroless Nickel Finish T - Titanium (Unplated) Z - Aluminum, Zinc Nickel (Black) Finish			
Space Class	(Omit) = Non-space applications		S = Space Grade			

PLUG HARDWARE		RECEPTACLE HARDWARE	
S - Jackscrew Option	T - Female Thread Option	S - Jackscrew Option	T - Female Thread Option

DETAIL A



DETAIL B



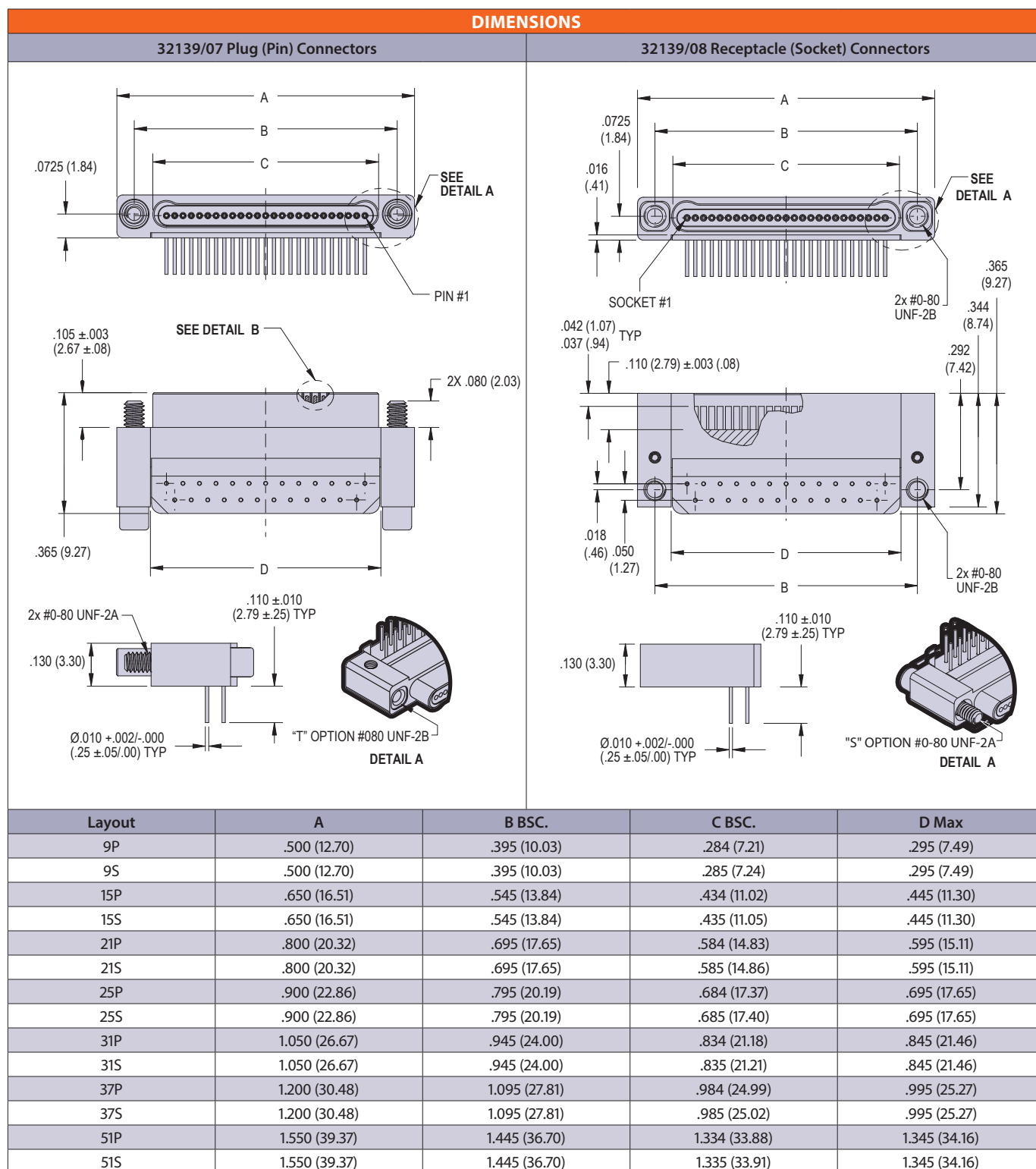
NOTES

- Material and finish:
 - Shell: see part number breakdown
 - Insulator: LCP/N/A
 - Contacts: gold alloy/unplated
 - PC tails: 30 AWG copper wire with gold over nickel plating
 - Hardware: passivated stainless steel
- Inspect and Test IAW MIL-DTL-32139
- Interface dimensions per MIL-DTL-32139/7 & MIL-DTL-32139/8

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M32139 SINGLE AND DUAL ROW RECTANGULAR CONNECTORS

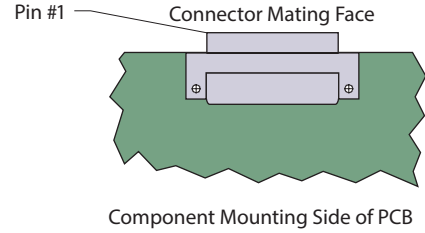
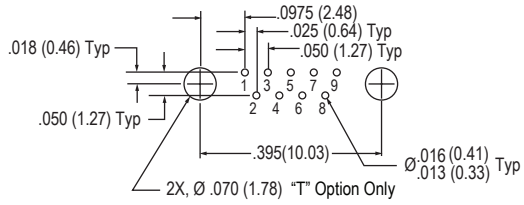
MIL-DTL-32139 NANOMINIATURE Single and Dual Row Rectangular Connectors



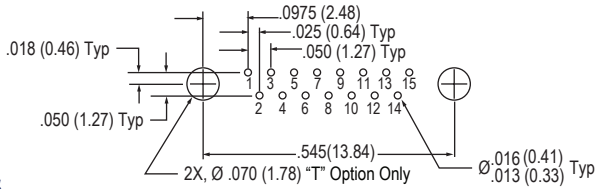
M32139/07 Plug Single Row, Right-Angle Mount Thru-Hole PCB Connectors

M32139 SINGLE AND DUAL ROW RECTANGULAR CONNECTORS

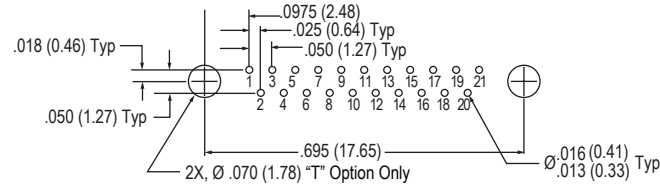
9 Contacts



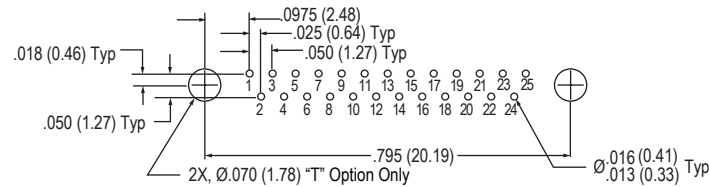
15 Contacts



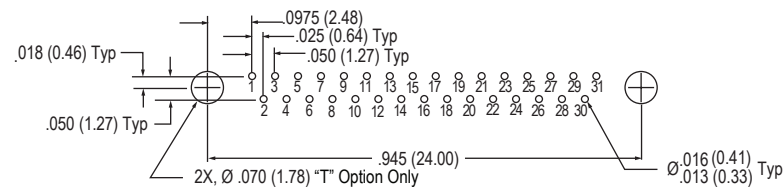
21 Contacts



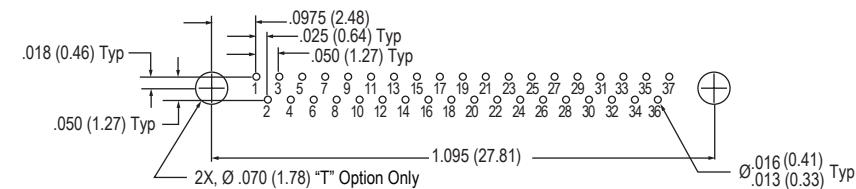
25 Contacts



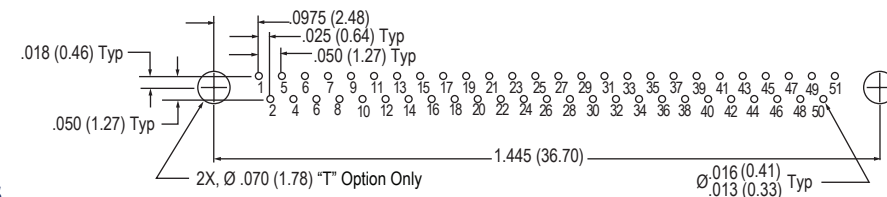
31 Contacts



37 Contacts



51 Contacts



Layouts shown are for connector mounting side of PC Board.

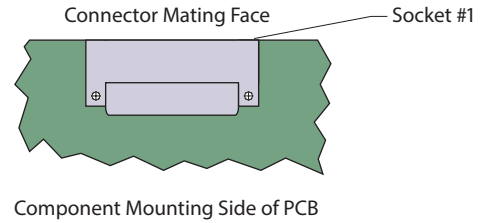
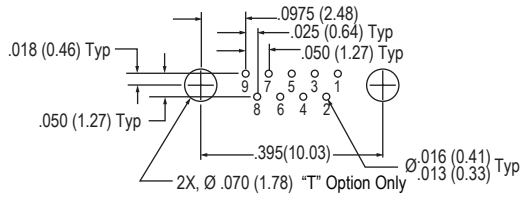
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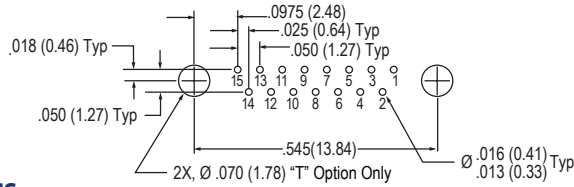
M32139/08 Receptacle, Single Row, Right-Angle Mount Thru-Hole PCB Connectors

M32139 SINGLE AND DUAL ROW RECTANGULAR CONNECTORS

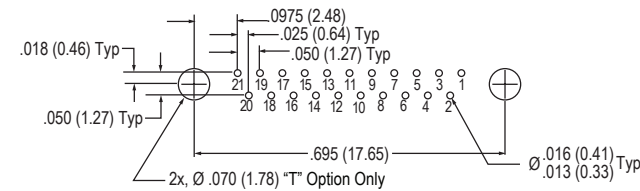
9 Contacts



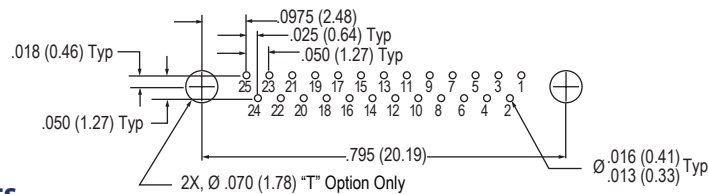
15 Contacts



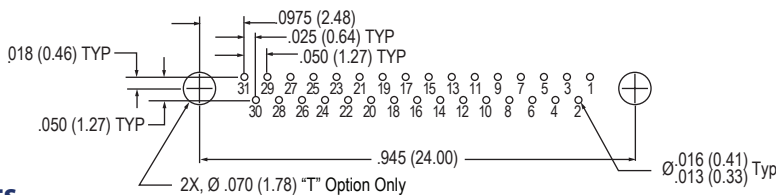
21 Contacts



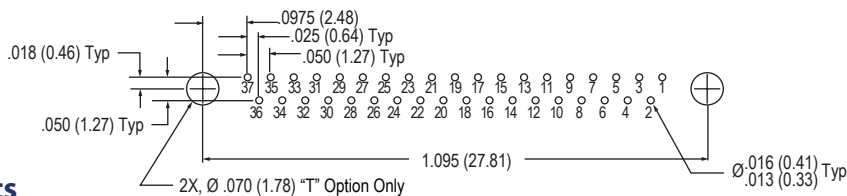
25 Contacts



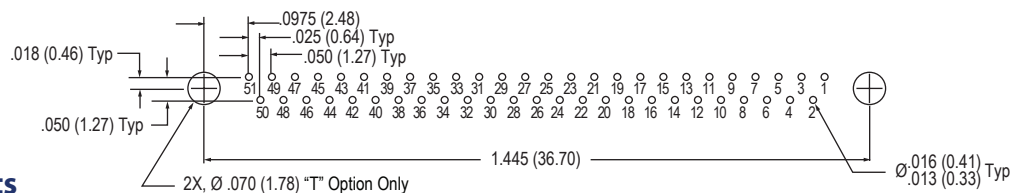
31 Contacts



37 Contacts



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